

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	3	"09305844"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/05 10:57
S2	2	("6493702").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2004/03/05 10:59
S3	1	S2 and (augment with quer\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/05 10:59
S5	0	S3 and((data with min\$3) or (usage with min\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/05 11:02
S6	0	S3 and ((data with min\$3) or (usage with min\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/05 11:11
S7	0	S3 and (query with log\$1) and pattern and profile	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/05 11:03
S8	1	S3 and (recommendation same search) and index and xml and query and expan\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/05 11:04
S9	1626	(expand\$3 or extend\$3) with quer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 15:50
S10	354	((expand\$3 or extend\$3) with quer\$3) and cluster\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/03 20:38

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S11	56	((expand\$3 or extend\$3) with quer\$3) and cluster\$3) and (user with profile)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/03 20:38
S12	31	(((((expand\$3 or extend\$3) with quer\$3) and cluster\$3) and (user with profile)) and log and pattern	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 10:09
S13	21	(((((expand\$3 or extend\$3) with quer\$3) and cluster\$3) and (user with profile)) and log and pattern) and (search with pattern)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/03 20:45
S14	21	((((((expand\$3 or extend\$3) with quer\$3) and cluster\$3) and (user with profile)) and log and pattern) and (search with pattern)) and quer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/03 20:45
S15	307	((expand\$3 or extend\$3) with quer\$3) and (user with (profile or preference))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 10:15
S16	51	((expand\$3 or extend\$3) with quer\$3) and (user with (profile or preference))) and recommendation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 10:15
S17	17	(((((expand\$3 or extend\$3) with quer\$3) and (user with (profile or preference))) and recommendation) and (data with min\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 10:23
S18	17	((((((expand\$3 or extend\$3) with quer\$3) and (user with (profile or preference))) and recommendation) and (data with min\$3)) and quer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 16:50
S19	28972	search and query	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 16:50
S20	764	(search and query) and (quer\$3 near3 (expan\$4 or exten\$4))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 16:52

EAST Search History

S21	223	((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 16:53
S22	37	(((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and recommendation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 16:53
S23	34	(((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and (cluster with (document or data or information or result\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 17:04
S24	63	(((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and recommendation) or (((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and (cluster with (document or data or information or result\$1)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 16:55
S25	13	((((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and recommendation) or (((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and (cluster with (document or data or information or result\$1)))) and ((query adj log) or (search with pattern))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 16:55

EAST Search History

S26	26	(((((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and (cluster with (document or data or information or result\$1))) not ((((((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and recommendation) or (((search and query) and (quer\$3 near3 (expan\$4 or exten\$4))) and (user with (profile or preference))) and (cluster with (document or data or information or result\$1)))) and ((query adj log) or (search with pattern)))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:25
S27	46221	(data with min\$3) or (usage with min\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:26
S28	152	((data with min\$3) or (usage with min\$3)) and (query with log\$1) and pattern and profile	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:57
S29	5	((((data with min\$3) or (usage with min\$3)) and (query with log\$1) and pattern and profile) and (recommendation same search) and index	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:27
S30	5	(((((data with min\$3) or (usage with min\$3)) and (query with log\$1) and pattern and profile) and (recommendation same search) and index) and xml	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:32
S31	2	((((((data with min\$3) or (usage with min\$3)) and (query with log\$1) and pattern and profile) and (recommendation same search) and index) and xml) and query) and expan\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/05 11:01
S32	5	(((((data with min\$3) or (usage with min\$3)) and (query with log\$1) and pattern and profile) and (recommendation same search) and index) and xml) and query	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 16:25

EAST Search History

S33	247	olap and "data mining"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:56
S34	4	(olap and "data mining") and (query with log\$1) and pattern and profile	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:59
S35	1	((olap and "data mining") and (query with log\$1) and pattern and profile) and (expan\$4 or augment)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:58
S36	825	(expan\$4 or augment) with quer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:58
S37	82	((expan\$4 or augment) with quer\$3) and ("data mining" or "usage mining")	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:59
S38	4	((expan\$4 or augment) with quer\$3) and ("data mining" or "usage mining")) and (query with log\$1) and pattern and profile	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/03/04 18:59
S39	0	recommendation with ("query log" and (search\$3 with pattern\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 16:27
S40	0	recommendation with "query log"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 16:27
S41	7	recommendation same "query log"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 16:30
S42	13	recommendation and "query log" and (search\$3 with pattern\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 16:40

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S43	19	recommendation and (query with log) and (search\$3 with pattern\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 16:40
S44	6	S43 not S42	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:08
S45	241	recommendation with query	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:08
S46	247	recommendation with quer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:09
S47	465	recommendation with search\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:09
S48	64	S46 and S47	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:09
S49	9	S48 and (expand\$3 with quer\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:10
S50	9	S49 and cluster\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:21
S51	555	"recommendation system"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:22
S52	170	S51 and recommendation and quer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:22

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S53	16	S52 and ((expand\$3 or extend\$3) with quer\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 17:23
S54	16	S53 and cluster\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 17:36
S55	975	cluster with document\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 18:10
S56	76	S55 and ((expand\$3 or extend\$3 or augment\$3) with quer\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 18:11
S57	20	S56 and (recommendation with (search\$3 or system))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2004/12/29 18:11
S58	0	"thematic cluster"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 17:37
S59	10	thematic with cluster	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 17:46
S60	36	theme\$1 with cluster\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 17:46
S61	32	S60 not S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 17:46
S62	16	S61 and (cluster\$1 with (result\$1 or document\$1 or "retrieved document"))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 17:59

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S63	2	S62 and recommendation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 17:48
S64	4	S61 and recommendation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 18:00
S65	6	S61 and linguistic	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/01/06 18:00
S66	1782	recommend\$5 with database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:43
S67	2378	(expand\$3 or extend\$3) with quer\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/17 19:28
S68	41	S66 and S67	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/17 19:28
S69	39	S68 and search\$3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/17 19:30
S70	33	S69 and index	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/08/17 19:30
S71	1252	recommendation with database	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:43

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S73	96	S71 and (data with mining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 18:27
S74	4	S73 and (valid\$5 with recommendation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 18:31
S75	19	S73 and (available with recommendation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:15
S76	6	S73 and ((index or indice) with recommendation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:16
S77	16683	("707").CLAS.	USPAT; USOCR	OR	OFF	2006/03/09 19:43
S78	87	S77 and (recommendation with database)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:43
S79	8	S78 and (data with mining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:44
S80	299	(index or indice) with recommendation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:44
S81	15	S80 and (data with mining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/09 19:45

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S82	1	S80 and (data with mining) same recommendation	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:47
S83	82	"recommendation database"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 12:07
S84	1	S83 and (data with mining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:48
S85	8	"prediction database" and (data with mining)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 10:49
S86	80	(refin\$3 with search) and (look\$up with table) same (quer\$3)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 15:51
S87	24	S86 and (quer\$3 with log)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 15:59
S88	20	S87 and pattern\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 15:59
S89	7	S88 and profile	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/10 16:06
S90	1	("6169986").PN.	USPAT; USOCR	OR	OFF	2006/03/14 13:43



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IEEE JNL IEE Journal or Magazine

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- ☐ 1. Refining the extraction of relevant documents from biomedical literature to create a corpus for pathway text mining
Harte, H.; Lu, Y.; Osborn, S.; Dehoney, D.; Chin, D.;
[Bioinformatics Conference, 2003. CSB 2003. Proceedings of the 2003 IEEE](#)
11-14 Aug. 2003 Page(s):644 - 645
Digital Object Identifier 10.1109/CSB.2003.1227432
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- ☐ 1. **Continuous similarity-based queries on streaming time series**
 Gao, L.; Wang, X.S.;
[Knowledge and Data Engineering, IEEE Transactions on](#)
 Volume 17, Issue 10, Oct. 2005 Page(s):1320 - 1332
 Digital Object Identifier 10.1109/TKDE.2005.161
[AbstractPlus](#) | Full Text: [PDE](#)(1288 KB) IEEE JNL
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- ☐ 2. **Statistical models for time sequences data mining**
 Ting, J.K.; Ng, M.K.; Hongqiang Rong; Huang, J.Z.;
[Computational Intelligence for Financial Engineering, 2003. Proceedings. 2003 IEEE International Conference on](#)
 20-23 March 2003 Page(s):347 - 354
 Digital Object Identifier 10.1109/CIFER.2003.1196281
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1 [Paper session IR-10 \(information retrieval\): query expansion: Concept-based](#)



[interactive query expansion](#)

Bruno M. Fonseca, Paulo Golgher, Bruno Pôssas, Berthier Ribeiro-Neto, Nivio Ziviani
October 2005 **Proceedings of the 14th ACM international conference on Information and knowledge management CIKM '05**

Publisher: ACM Press

Full text available: [pdf\(153.95 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Despite the recent advances in search quality, the fast increase in the size of the Web collection has introduced new challenges for Web ranking algorithms. In fact, there are still many situations in which the users are presented with imprecise or very poor results. One of the key difficulties is the fact that users usually submit very short and ambiguous queries, and they do not fully specify their information needs. That is, it is necessary to improve the query formation process if better ans ...

Keywords: association rules, interactive query expansion, user feedback, web searching

2 [Search 1: Probabilistic query expansion using query logs](#)



[Search 1: Probabilistic query expansion using query logs](#)

Hang Cui, Ji-Rong Wen, Jian-Yun Nie, Wei-Ying Ma

May 2002 **Proceedings of the 11th international conference on World Wide Web**

Publisher: ACM Press

Full text available: [pdf\(248.11 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Query expansion has long been suggested as an effective way to resolve the short query and word mismatching problems. A number of query expansion methods have been proposed in traditional information retrieval. However, these previous methods do not take into account the specific characteristics of web searching; in particular, of the availability of large amount of user interaction information recorded in the web query logs. In this study, we propose a new method for query expansion based on qu ...

Keywords: information retrieval, log mining, probabilistic model, query expansion, search engine

3 [Formal models-1: Probabilistic model for contextual retrieval](#)



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Ji-Rong Wen, Ni Lao, Wei-Ying Ma
July 2004 **Proceedings of the 27th annual international ACM SIGIR conference on Research and development in information retrieval SIGIR '04**